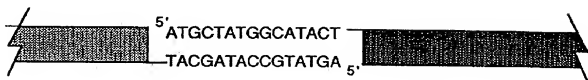
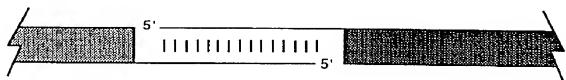


FIGURE 1

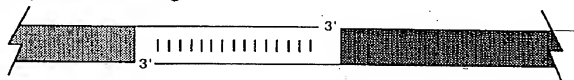
A. Non-palindromic Compatible Overhangs



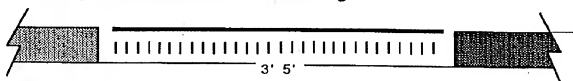
B. 5' Compatible Overhangs



C. 3' Compatible Overhangs



D. Bridge Compatible with 3' and 5' Overhangs



E. Adaptor Compatible 3' Overhangs



FIGURE 2

Splice Junction

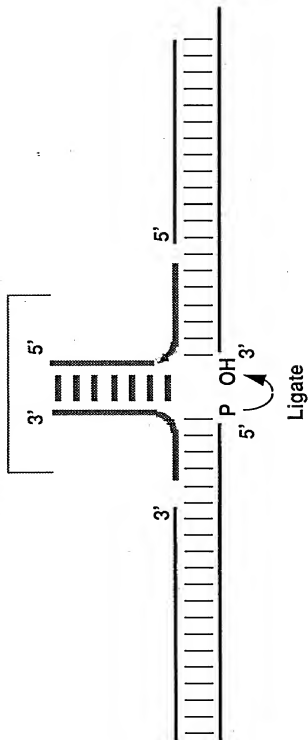
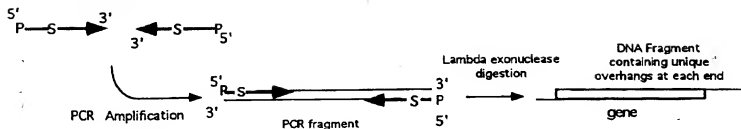


Figure 3

OVERVIEW OF PCR CLONING AND EXPRESSION SYSTEM

Synthesis of oligonucleotides
for PCR amplification
containing internal thiol sites



A--Promoter/ start site

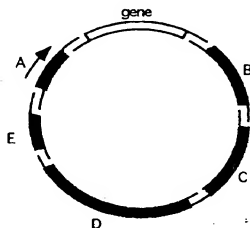
B--Affinity tag/transcriptional terminator

C--Bacterial origin of replication

D--Antibiotic Resistance/Selectable marker

E--M13ori

Anneal fragments
containing unique
compatible overhangs



Induction and
Expression of gene

Crude Protein

(genetic selection of gene fusion
ie. AP gene fusion)

Affinity purification

(Proteolytic Cleavage)

Purified Protein

Figure 4

figure 5

